

ATTORNEY'S DKT NO.  
012889-086

APPLICATION No.  
09/938.497

APPLICANT  
Boden Wastfelt et al

FILING DATE  
Aug. 27, 2001

GROUP  
~~1646~~ 1647

Examiner  
Initials

## U.S. Patent Document

Number  
189.015

Kind Code  
(if known)Name of Patentee or Applicant  
of Cited Document

Date of Publication  
(MM-DD-YYYY)

RL

DEC 06 2001  
O I P E J C S S  
PATENT & TRADE MARKS

Examiner  
Initials

## Foreign Patent Document

Number

Kind Code  
(if known)

Country

Date of Publication  
(MM-DD-YYYY)

Translation	
Yes	no

Yes	no
-----	----

## NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials

Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

BL

McDevitt, D., P. Francois, P. Vaudaux, and T. J. Foster. 1994. Molecular characterization of the clumping factor (fibrinogen receptor) of *Staphylococcus aureus*. *Mol Microbiol.* 11(2):237-48.

BL

Ni Eidhin, D., S. Perkins, P. Francois, P. Vaudaux, M. Hook, and T. J. Foster. 1998. Clumping factor B (ClfB), a new surface-located fibrinogen-binding adhesin of *Staphylococcus aureus*. *Mol Microbiol.* 30(2):245-57.

BL

Phonimdaeng, P., M. O'Reilly, P. Nowlan, A. J. Bramley, and T. J. Foster. 1990. The coagulase of *Staphylococcus aureus* 8325-4. Sequence analysis and virulence of site-specific coagulase-deficient mutants. *Mol. Microbiol.* 4(3):393-404.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT No.  
012889-086

APPLICATION NO.  
09/938,497

APPLICANT  
Boden Wastfelt et al

FILING DATE  
Aug. 27, 2001

GROUP  
~~1646~~ 1647

Bx	Palma, M., D. Wade, M. Flock, and J.-I. Flock. 1998. Multiple binding sites in the interaction between fibrinogen and an extracellular fibrinogen binding protein from <i>Staphylococcus aureus</i> . <i>J. Biol. Chem.</i> Submitted. 273:13177-13181.
CIP E Jc DEC 0 8 2001	Palma, M., A. Hagggar, and J.-I. Flock. 1999. Adherence of <i>Staphylococcus aureus</i> is enhanced by an endogenous secreted protein with broad binding activity. <i>J. Bacteriol.</i> 181:2840-2845
PATENT & TRADE	Bayles, K. W., C. A. Wesson, L. E. Liou, L. K. Fox, G. A. Bohach, and W. R. Trumble. 1998. Intracellular <i>Staphylococcus aureus</i> escapes the endosome and induces apoptosis in epithelial cells. <i>Infect Immun.</i> 66(1):336-42.
	Menzies, B. E., and I. Kourteva. 1998. Internalization of <i>Staphylococcus aureus</i> by endothelial cells induces apoptosis. <i>Infect Immun.</i> 66(12):5994-8.
	Wesson, C. A., L. E. Liou, K. M. Todd, G. A. Bohach, W. R. Trumble, and K. W. Bayles. 1998. <i>Staphylococcus aureus</i> Agr and Sar global regulators influence internalization and induction of apoptosis. <i>Infect Immun.</i> 66(11):5238-43.
	Jevon, M., C. Guo, B. Ma, N. Mordan, S. P. Nair, M. Harris, B. Henderson, G. Bentley, and S. Meghji. 1999. Mechanisms of internalization of <i>Staphylococcus aureus</i> by cultured human osteoblasts. <i>Infect Immun.</i> 67(5):2677-81.
	Dziewanowska, K., J. M. Patti, C. F. Deobald, K. W. Bayles, W. R. Trumble, and G. A. Bohach. 1999. Fibronectin binding protein and host cell tyrosine kinase are required for internalization of <i>Staphylococcus aureus</i> by epithelial cells. <i>Infect Immun.</i> 67(9):4673-8.
	Sinha, B., P. P. Francois, O. Nusse, M. Foti, O. M. Hartford, P. Vaudaux, T. J. Foster, D. P. Lew, M. Herrmann, and K. H. Krause. 1999. Fibronectin-binding protein acts as <i>Staphylococcus aureus</i> invasin via fibronectin bridging to integrin alpha5beta1. <i>Cell Microbiol.</i> 1(2):101-17.
	Peacock, S. J., T. J. Foster, B. J. Cameron, and A. R. Berendt. 1999. Bacterial fibronectin-binding proteins and endothelial cell surface fibronectin mediate adherence of <i>Staphylococcus aureus</i> to resting human endothelial cells. <i>Microbiology.</i> 145(Pt 12):3477-86.
	Bodén, M., and J.-I. Flock. 1989. Fibrinogen binding protein/Clumping factor from <i>Staphylococcus aureus</i> . <i>Inf. Imm.</i> 57:2358-2363.
	Bodén, M., and J.-I. Flock. 1992. Evidence for three different fibrinogen-binding proteins with unique properties from <i>Staphylococcus aureus</i> strain Newman. <i>Microbial Pathogenesis.</i> 12:289-298.



3/24/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 ATTORNEY'S DKT NO.  
012889-086

 APPLICATION NO.  
09/938,497

 APPLICANT  
Boden Wastfelt et al

 FILING DATE  
Aug. 27, 2001

 GROUP  
~~1646~~ 1647

BK

Brennan, F. R., T. D. Jones, M. Longstaff, S. Chapman, T. Bellaby, H. Smith, F. Xu, W. D. Hamilton, and J. I. Flock. 1999. Immunogenicity of peptides derived from a fibronectin-binding protein of *S. aureus* expressed on two different plant viruses. *Vaccine* 17(15-16):1846-57.

DEC 8 2001

PATENT &amp; TRADE

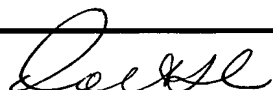
M.K. Boden et al., "Evidence for Three Different Fibrinogen-Binding Proteins with Unique Properties from *Staphylococcus Aureus* Strain Newman", *Microbial Pathogenesis* 12:289-298 (1992)

Boden M.K., Flock J.I., "Cloning and Characterization of a Gene for a 19 kDa Fibrinogen-binding Protein as Aureus", *Mol. Microbiol.* 12:599-606 (1994) Medline 95020594

Foster, T.J., "Potential for Vaccination Against Infections Caused by *Staphylococcus Aureus*", *Vaccine* 9:221-227 (1991)

Boden, MK and Flock J-I, "Fibrinogen-Binding Protein/Clumping Factor From *Staphylococcus Aureus*", *Infection and Immunity* 57:2358-2363 (1989)

 Examiner  
Signature



 Date  
Considered

3/24/03